

# PATENT ABSTRACTS OF JAPAN

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## (54) POSITION DETECTOR AND LENS BARREL

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a position detector easy to adjust the remove between a magnetic recording medium and magnetoresistance (MR) element in a lens barrel wherein the position detector uses the magnetoresistance element for detecting the travel distance of the magnetic recording medium and the lens barrel uses it.

**SOLUTION:** A protrusion having a curved surface of an approximately const. curvature is provided on a holder 1 for holding a magnetoresistance element facing a magnetic recording medium, and in mounting the holder 1 on a mount by positioning means, the holder 1 is rotated with center at the center axis of the curved surface of the protrusion to thereby adjust the remove between the magnetic recording medium and magnetoresistance element. Thus the adjusting work and assembling work can be completed at the same time to provide an effect of lowering the manufacturing cost.

